

DOUBLE POLE CIRCUIT BREAKER AND SWITCH SYSTEM  
FOR A TRANSFER SWITCH  
ABSTRACT OF THE DISCLOSURE

A transfer switch for selectively connecting an auxiliary power source,  
5 such as a standby generator, to selected circuits of a building, includes double pole  
circuit protection as well as a unique circuit breaker and switch arrangement which can  
be used in either a double pole circuit or a pair of single pole circuits. The transfer  
switch includes a main double pole circuit breaker downstream of the power inlet, for  
providing double pole overcurrent protection for all circuits interconnected with the  
10 transfer switch. The transfer switch also includes a series of single pole switches and  
associated single pole circuit breakers, for controlling the supply of power to single pole  
electrical circuits. At least one additional pair of single pole switches can either be tied  
together for use as a double pole switch or used as two separate single pole switches.  
When the pair of switches are tied together for use as a double pole switch, a double  
15 pole connector member is employed in a circuit breaker mounting arrangement which is  
normally adapted to receive two single pole circuit breakers. Overcurrent protection is  
provided either by the main double pole circuit breaker, or by a branch double pole  
circuit breaker located between the main double pole circuit breaker and the pair of  
switches. When the switches are to be used separately, a pair of single pole circuit  
20 breakers are engaged with the circuit breaker mounting arrangement in place of the  
double pole connector member, to provide individual single pole circuit protection.